



10/796208

JFW  
CFC#  
AJ

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of

Docket No.: 03280092US

**Teruaki MITSUYA, et al.**

Patent No.: 6,993,275

Date of Issue: January 31, 2006

For: **IMAGE POSITION DETECTING METHOD**

United States Patent and Trademark Office  
Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

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NOV 13 2006

**OFFICE OF PETITIONS**

**REQUEST FOR CERTIFICATE OF CORRECTION  
UNDER 37 C.F.R. 1.322  
APPLICANT MISTAKE**

Sir:

The undersigned respectfully requests a Certificate of Correction for the above-identified patent. In particular, it is requested that the missing assignee - - **Hitachi, Ltd., Tokyo (JP)** - - be inserted as the second named Assignee.

Transmitted herewith in duplicate is PTO Form 1050-Certificate of Correction for the above-identified U.S. Patent correcting one (1) Applicant mistake.

Applicant hereby states that the recordation of these Assignees was filed May 12, 2005 prior to payment of the issue fee on August 24, 2005. Applicant further notes that this recordation included an error which has been submitted for correction on October 17, 2006.

Filed herewith are the following:

- 1) Request for Certificate of Correction;
- 2) Two (2) copies of PTO Form 1050-Certificate of Correction;
- 3) Copy of the Request for Corrected Assignment as filed October 17, 2006;
- 4) Copy of the executed Declaration and Certificate of All Historical Items as filed May 12, 2005;
- 5) A marked-up copy of the first page of the Letters Patent, with the requested correction marked in red ink;
- 6) Authorization to charge fee to Deposit Account no. 23-1951; and
- 7) One (1) acknowledgement postcard.

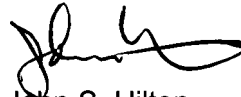
11/07/2006 SZEWDIE1 00000141 6993275

01 FC:1464

130.00 OP

Based on the above, Applicant respectfully requests a Certificate of Correction be issued for the above-identified U.S. Patent. Since the error for which a Certificate of Correction is due to Applicant's mistake, the U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 23-1951.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'John S. Hilten', with a stylized flourish at the end.

John S. Hilten  
Registration No.: 52,518

November 6, 2006

McGuireWoods LLP  
1750 Tysons Boulevard, Suite 1800  
McLean, Virginia 22102  
(703) 712-5069

\4251055.1

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO.: 6,993,275 B2  
DATED: January 31, 2006  
INVENTORS: Teruaki MITSUYA, *et al.*

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

On the Title Page, Item [73], Assignees:

Insert -- Hitachi, Ltd., Tokyo (JP)-- as the second named Assignee, after "Ricoh Printing Systems, Ltd."

**MAILING ADDRESS OF SENDER:**

McGuireWoods LLP  
1750 Tysons Boulevard, Suite 1800  
McLean, VA 22102  
(703) 712-5000

PATENT NO.: 6,993,275 B2  
No. of add'l copies  
@ 50¢ per page

FORM PTO 1050 (Rev. 2-93)

Active\3602631.1

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**OFFICE OF PETITIONS**

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO.: 6,993,275 B2  
DATED: January 31, 2006  
INVENTORS: Teruaki MITSUYA, *et al.*

It is certified that errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below.

On the Title Page, Item [73], Assignees:

Insert -- Hitachi, Ltd., Tokyo (JP)-- as the second named Assignee, after "Ricoh Printing Systems, Ltd."

**MAILING ADDRESS OF SENDER:**

McGuireWoods LLP  
1750 Tysons Boulevard, Suite 1800  
McLean, VA 22102  
(703) 712-5000

PATENT NO.: 6,993,275 B2  
No. of add'l copies  
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FORM PTO 1050 (Rev. 2-93)

Active\3602631.1

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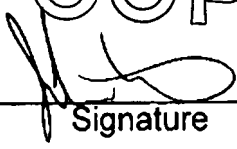
**Certificate of Transmission under 37 CFR 1.8****OFFICE OF PETITIONS**

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office

on October 17, 2006.

Date

**COPY**

  
Signature

John S. Hilten

Typed or printed name of person signing Certificate

52,518

Registration Number if applicable

703-712-5069

Telephone Number

Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

Application No.: 10/400,455  
10/412,695  
10/452,642  
10/615,023  
10/647,507  
10/796,208

Date: October 17, 2006

Mail Stop: ASSIGNMENT RECORDATION SERVICES  
Commissioner for Patents:

Please receive the following via facsimile transmission: 571.273.0140:

1. Request for Corrected Notice of Recordation of Assignment Document;
2. Copy of originally filed Recordation Form Coversheet as filed on September 29, 2006 with the requested correction marked in red ink; and
3. Copy of the Notice of Recordation of Assignment Document for the above-identified patent application, with the requested correction marked in red ink.

This collection of information is required by 37 CFR 1.8. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 1.8 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Nos.: 10/400,455  
10/412,695  
10/452,642  
10/615,023  
10/647,507  
10/796,208

COPY RECEIVED

NOV 13 2006

**Mail Stop: ASSIGNMENT RECORDATION SERVICES**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**OFFICE OF PETITIONS**

**REQUEST FOR CORRECTED NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

Sir:

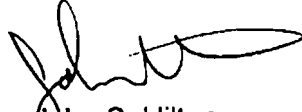
The undersigned respectfully requests a corrected Notice of Recordation of Assignment Document for the above-identified patents. In particular, it is requested that the Assignor, currently listed as "Hitachi Printing Solutins, Ltd." be changed to --**Hitachi Printing Solutions, Ltd.**-- and the Assignee, currently listed as "Ricoh Printin Systems, Ltd." be changed to --**Ricoh Printing Systems, Ltd.**--, as marked in red in the attached copy of the Notice of Recordation of Assignment.

Filed herewith are the following:

- 1) Request for Corrected Notice of Recordation of Assignment Document;
- 2) Copy of originally filed Recordation Form Coversheet as filed on September 29, 2006; and
- 3) Copy of the Notice of Recordation of Assignment Document for the above-identified patent application, with the requested correction marked in red ink.

Since the incorrect Assignor and Assignee was due to the U.S. Patent and Trademark Office's error, no additional fee is due for this correction. If additional fees are required to process this request, please charge Attorney's Deposit Account no. 23-1951.

Respectfully submitted,



John S. Hilten  
Registration No.: 52,518

**Date: October 17, 2006**

McGuireWoods LLP  
1750 Tysons Boulevard  
Suite 1800  
McLean, VA 22102  
Telephone: (703) 712-5069  
Facsimile: (703) 712-5196

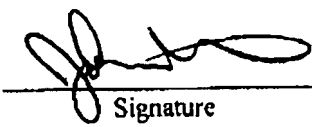
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FORM PTO-1595  
1-31-92RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
OFFICE OF PETITIONS  
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies):</p> <p>Hitachi Printing Solutions, Ltd.</p> <p>Additional names of conveying party(ies) attached?  <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p> <p>3. Nature of Conveyance</p> <p> <input type="checkbox"/> Assignment      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name  <input checked="" type="checkbox"/> Other <u>Correct receiving party name that was listed incorrectly on previous Recordation Cover sheet</u> </p> <p>Execution Date:</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Ricoh Printing Systems, Ltd. Hitachi Ltd.</p> <p>Internal Address:</p> <p>Street Address: 15-1, Konan 2-chome, Minato-ku, City: Tokyo, State or Country: Japan</p> <p>Additional name(s) &amp; address(es) attached?  <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>
<p>4. Application number(s) or patent number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is</p> <p>A. Patent Application No(s).</p> <p>10/400,455 filed on March 28, 2003  10/412,695 filed on April 14, 2003  10/452,642 filed on June 3, 2003  10/615,023 filed on July 9, 2003  10/647,507 filed on August 26, 2003  10/796,208 filed on March 10, 2004</p> <p>B. Patent No(s).</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>McGuire Woods LLP  1750 Tysons Boulevard, Suite 1800  McLean, Virginia 22102  Telephone No.: 703-712-5420  Facsimile No.: 703-712-5182</p>	<p>6. Total number of applications and patents involved: 6</p> <p>7. Total fee (37 CFR 3.41): \$40.00</p> <p><input type="checkbox"/> Enclosed</p> <p> <input checked="" type="checkbox"/> Authorized to be charged to deposit account  <input type="checkbox"/> Total fee due  <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees </p> <p>8. Deposit account number: 23-1951</p>
<p>9. Statement and signature</p> <p>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <p>John S. Hilten, Reg. No. 52,518  Name of Person Signing</p> <p>  Signature</p> <p>September 29, 2006  Date</p>	





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**UNITED STATES PATENT AND TRADEMARK OFFICE OFFICE OF PETITIONS**

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND  
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

OCTOBER 03, 2006

PTAS

**\*700289530A\***

**\*700289530A\***

MCGUIRE WOODS LLP  
1750 TYSONS BOULEVARD, SUITE 1800  
MCLEAN, VA 22102

**COPY**

**UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT**

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 571-272-3350. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, MAIL STOP: ASSIGNMENT SERVICES BRANCH, P.O. BOX 1450, ALEXANDRIA, VA 22313.

RECORDATION DATE: 09/29/2006

REEL/FRAME: 018336/0477  
NUMBER OF PAGES: 15

BRIEF: CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE'S NAME PREVIOUSLY RECORDED ON REEL 016563, FRAME 0233. ASSIGNOR HEREBY CONFIRMS THE CHANGE OF NAME.

ASSIGNOR: **SOLUTIONS**  
HITACHI PRINTING ~~SOLUTIONS~~, LTD.

DOC DATE: 10/01/2004

ASSIGNEE: ~~PRINTING~~  
RICOH ~~PRINTING~~ SYSTEMS, LTD.,  
HITACHI LTD.  
15-1, KONAN 2-CHOME, MINATO-KU  
TOKYO, JAPAN

SERIAL NUMBER: 10400455  
PATENT NUMBER: 7079803  
TITLE: ELECTROPHOTOGRAPHIC PRINTER

FILING DATE: 03/28/2003  
ISSUE DATE: 07/18/2006

SERIAL NUMBER: 10413695 FILING DATE: 04/15/2003  
PATENT NUMBER: 6929643 ISSUE DATE: 08/16/2005  
TITLE: RESECTOSCOPE APPARATUS AND ELECTRIC OPERATION APPARATUS

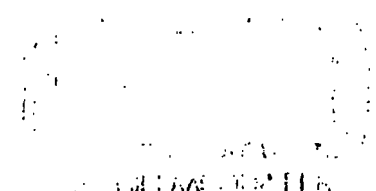
SERIAL NUMBER: 10452642 FILING DATE: 06/03/2003  
PATENT NUMBER: 6907220 ISSUE DATE: 06/14/2005  
TITLE: COOLING DEVICE FOR COOLING RECORDING SHEET

SERIAL NUMBER: 10615023 FILING DATE: 07/09/2003  
PATENT NUMBER: 6923439 ISSUE DATE: 08/02/2005  
TITLE: IMAGE FORMING DEVICE

SERIAL NUMBER: 10647507 FILING DATE: 08/26/2003  
PATENT NUMBER: ISSUE DATE:  
TITLE: MULTIPLE BEAM SCANNING DEVICE

SERIAL NUMBER: 10796208 FILING DATE: 03/10/2004  
PATENT NUMBER: 6993275 ISSUE DATE: 01/31/2006  
TITLE: IMAGE POSITION DETECTING METHOD

JEFFREY OLSEN, EXAMINER  
ASSIGNMENT SERVICES BRANCH  
PUBLIC RECORDS DIVISION




09/29/2006  
700289530

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FORM PTO-1595  
1-31-92RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
OFFICE OF PETITIONS

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

<b>1. Name of conveying party(ies):</b>  Hitachi Printing Solutions, Ltd.  Additional names of conveying party(ies) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no  <b>3. Nature of Conveyance</b>  <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other <u>Correct receiving party name that was listed incorrectly on previous Recordation Cover sheet</u>  Execution Date:	<b>2. Name and address of receiving party(ies):</b>  Name: Ricoh Printing Systems, Ltd. Hitachi Ltd.  Internal Address:  Street Address: 15-1, Konan 2-chome, Minato-ku, City: Tokyo, State or Country: Japan  Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no
<b>4. Application number(s) or patent number(s):</b>  If this document is being filed together with a new application, the execution date of the application is  A. Patent Application No(s).  10/400,455 filed on March 28, 2003 10/412,695 filed on April 14, 2003 10/452,642 filed on June 3, 2003 10/615,023 filed on July 9, 2003 10/647,507 filed on August 26, 2003 10/796,208 filed on March 10, 2004  B. Patent No(s).  Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>5. Name and address of party to whom correspondence concerning document should be mailed:</b>  McGuireWoods LLP 1750 Tysons Boulevard, Suite 1800 McLean, Virginia 22102 Telephone No.: 703-712-5420 Facsimile No.: 703-712-5182	<b>6. Total number of applications and patents involved: 6</b>  <b>7. Total fee (37 CFR 3.41): \$40.00</b>  <input type="checkbox"/> Enclosed  <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Total fee due <input checked="" type="checkbox"/> Any deficiencies in the enclosed fees  <b>8. Deposit account number: 23-1951</b>
<b>9. Statement and signature</b>  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  <u>John S. Hilten, Reg. No. 52,518</u> Name of Person Signing   Signature  <u>September 29, 2006</u> Date	

**ASSIGNMENT OF APPLICATION FOR PATENT****WHEREAS**NAME AND ADDRESS  
OF ASSIGNOR(S)Teruaki MITSUYA and  
Hiroyuki MABUCHI of Hitachinaka-shi, Ibaraki-ken, Japan

and

Toru MIYASAKA and  
Mieko ISHII of Tsuchiura-shi, Ibaraki-ken, Japan(HEREINAFTER REFERRED TO AS ASSIGNOR), have  
invented and own a certain invention  
entitled:

TITLE OF INVENTION:

IMAGE POSITION DETECTING METHOD

for which application for Letters Patent of  
the United States has been executed on even  
date herewith,**WHEREAS**FULL NAME AND ADDRESS  
OF ASSIGNEEHITACHI PRINTING SOLUTIONS, LTD.  
No.15-1, Konan 2-chome, Minato-ku, Tokyo, Japan

and

HITACHI LTD.  
No.6, Kanda-Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan(hereinafter referred to as ASSIGNEE), is  
desirous of acquiring the entire interest  
in, to and under said invention and the United  
States Letters Patent to be obtained  
therefor:**NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN:**  
Be it known that in consideration of the  
payment of ASSIGNEE to ASSIGNOR of the sum  
of One Dollar (\$1.00), the receipt of which  
is hereby acknowledged, and for other good  
and valuable consideration, ASSIGNOR hereby  
sells, assigns and transfers to ASSIGNEE the

## DECLARATION

I, Shin KOIZUMI, Japanese Patent Attorney, of c/o KITAZAWA & KOIZUMI, 6F, Sigma Yushima Building, 37-4, Yushima 3-chome, Bunkyo-ku, Tokyo, Japan, hereby certify that the translation of Certificate of All the Historical Items issued on January 13, 2005, attached hereto is correct and faithful.

Dated this 16<sup>th</sup> day of February, 2005.



Shin KOIZUMI

- Translation -

## Certificate of All the Historical Items

15-1, Konan 2-chome, Minato-ku, Tokyo, Japan  
Ricoh Printing Systems, Ltd.  
Corporation No. 0104-01-051321

Firm Name: Hitachi Printing Solutions, Ltd.  
Ricoh Printing Systems, Ltd.

Changed on October 1, 2004  
Registered on October 1, 2004

Principal Office: 15-1, Konan 2-chome, Minato-ku, Tokyo, Japan

Means for Giving Public Notice: By publishing in the Official Gazette

Date of Company Establishment: October 1, 2002

### Purpose of Company:

1. Development, design, manufacturing and sale of printers, its related devices and electronic machinery and instruments.
2. Development, design, manufacturing and sale of peripheral devices and terminal devices.
3. Development, design, manufacturing and sale of data communications devices and data processing devices.
4. Development, design, manufacturing and sale of printing system equipments.
5. Recycle and sale of the recycled products mentioned in the above items.
6. Development, design, manufacturing and sale of materials and components of the products mentioned in the above items.
7. Development, design, manufacturing and sale of industrial electric machinery and instruments of the products mentioned in the above items, such as manufacturing devices, inspection apparatuses, etc.
8. Programming and sale of software relating to the products mentioned in the above items.
9. Lease, repair, maintenance services and installation in connection with the products mentioned in the above items.
10. Businesses relating to construction and maintenance of data network systems, and data processing services.
11. Businesses relating to printing, document creating management, and such other businesses concerning office processing.
12. Electronic commerce, information services, development, design, operation and maintenance of data systems thereof.

- Translation -

13. Working contracts of consulting business and engineering relating to the items listed above.
14. Constructions of equipments including electrical devices, tubes, electrical communications, machinery equipments, and fire-related devices; design, management and contract of architecture constructions.
15. Sale and purchase of used things.
16. Licensing and working contracts of intellectual property including patents, copyrights and know-how.
17. Worker dispatch business.
18. Money-lending business, along with acquisition of assets and guarantee of liabilities.
19. Investments in venture companies and venture capitals.
20. Collection and disposal services of industrial waste, and recycle business of industrial waste and domestic waste.
21. Warehousing business and freight transportation business.
22. All other businesses relating to the items listed above.

Authorized Shares: 400 thousand shares

Docket No. Q144657

\*The underlined items are crossed out.

Page 1/6

Total number of outstanding shares, sorts and numbers thereof:

Total number of outstanding shares:  
100 thousand shares

Amount of capital:

5 billion Yen

Particulars concerning the Executives:

Director: Toshiaki KATAYAMA

Reappointed on June 23, 2003

Director: Toshiaki KATAYAMA

Reappointed on June 23, 2004

Registered on June 28, 2004

Director: Yasuyuki TSUJI

Reappointed on June 23, 2003

Resigned on March 31, 2004

Registered on April 13, 2004

Director: Shinichi ENDOH

Reappointed on June 23, 2003

Director: Shinichi ENDOH

Reappointed on June 23, 2004

Registered on June 28, 2004

Director: Tsugio MOMOSE

Reappointed on June 23, 2003

Resigned on March 31, 2004

- Translation -

Registered on April 13, 2004

Director: Ikuo YUKI

Director: Ikuo YUKI

Reappointed on June 23, 2003

Reappointed on June 23, 2004

Registered on June 28, 2004

Resigned on September 30, 2004

Registered on October 1, 2004

Docket No. O144657

\*The underlined items are crossed out.

Page 2/6

Director: Yasuo KIKUCHI

Director: Yasuo KIKUCHI

Appointed on April 1, 2004

Registered on April 13, 2004

Reappointed on June 23, 2004

Registered on June 28, 2004

Director: Kunio SHO

Director: Kunio SHO

Appointed on April 1, 2004

Registered on April 13, 2004

Reappointed on June 23, 2004

Registered on June 28, 2004

Director: Kazuhiro TACHIBANA

Director: Kazuhiro TACHIBANA

Appointed on April 1, 2004

Registered on April 13, 2004

Reappointed on June 23, 2004

Registered on June 28, 2004

Resigned on September 30, 2004

Registered on October 1, 2004

Director: Hiroshi KOBAYASHI

Appointed on October 1, 2004

Registered on October 1, 2004

Director: Yoshimasa MATSUURA

Appointed on October 1, 2004

Registered on October 1, 2004

President and CEO: Toshiaki KATAYAMA,  
residing at Beru-Beru Tamagawa 8, 6-8,  
Futako 3-chome, Takatsu-ku,  
Kawasaki-shi, Kanagawa, Japan

Reappointed on June 23, 2003



- Translation -

President and CEO: Toshiaki KATAYAMA,  
residing at Beru-Eru Tamagawa 8, 6-8,  
Futako 3-chome, Takatsu-ku,  
Kawasaki-shi, Kanagawa, Japan

Reappointed on June 23, 2004  
Registered on June 28, 2004

Auditor: Eiji YANO

Reappointed on June 23, 2003  
Resigned on September 30, 2004  
Registered on October 1, 2004

Docket No. 0144657

\*The underlined items are crossed out.

Page 3/6

Auditor: Kunimitsu YAMADA

Reappointed on June 23, 2003

Auditor: Masao TERADA

Reappointed on June 23, 2003  
Resigned on September 30, 2004  
Registered on October 1, 2004

Auditor: Masayuki ISHIHARA

Appointed on October 1, 2004  
Registered on October 1, 2004

Auditor: Yukihiro YAMANAKA

Appointed on October 1, 2004  
Registered on October 1, 2004

Transfer of Claim:

Transfer of Claim No. 2003-21003

Date of Registration: September 29, 2003

Assignee: CONCERTO RECEIVABLES CORPORATION  
of CIBC Bank and Trust (Cayman) Limited

P.O. Box 694 GT, Edward Street, George Town, Grand Cayman,  
Cayman Islands, British West Indies

Expiration of Term of Transfer of Claim No. 2003-21003

Registered on September 30, 2003

Registered on December 2, 2003

- Translation -

Transfer of Claim No. 2003-21364

Date of Registration: September 30, 2003

Assignee: HITACHI ASSET FUNDING INC.

of 15-12, Nishi-shinbashi 2-chome, Minato-ku, Tokyo, Japan

Expiration of Term of Transfer of Claim No. 2003-21364

Registered on October 1, 2003

Registered on November 19, 2003

Transfer of Claim No. 2003-29022

Date of Registration: December 26, 2003

Docket No. 0144657

\*The underlined items are crossed out.

Page 4/6

Assignee: HITACHI ASSET FUNDING INC.

of 15-12, Nishi-shinbashi 2-chome, Minato-ku, Tokyo, Japan

Expiration of Term of Transfer of Claim No. 2003-29022

Registered on January 5, 2004

Registered on February 18, 2004

Transfer of Claim No. 2004-7765

Date of Registration: March 29, 2004

Assignee: HITACHI ASSET FUNDING INC.

of 15-12, Nishi-shinbashi 2-chome, Minato-ku, Tokyo, Japan

Expiration of Term of Transfer of Claim No. 2004-7765

Registered on March 30, 2004

Registered on June 17, 2004

Transfer of Claim No. 2004-16173

Date of Registration: June 30, 2004

Assignee: HITACHI ASSET FUNDING INC.

of 15-12, Nishi-shinbashi 2-chome, Minato-ku, Tokyo, Japan

Expiration of Term of Transfer of Claim No. 2004-16173

Registered on July 1, 2004

Registered on August 18, 2004

Transfer of Claim No. 2004-23932

Date of Registration: September 29, 2004

Assignee: HITACHI ASSET FUNDING INC.

of 15-12, Nishi-shinbashi 2-chome, Minato-ku, Tokyo, Japan

- Translation -

Expiration of Term of Transfer of Claim No: 2004-23932

Registered on September 30, 2004

Registered on December 17, 2004

Items relating to the registered record:

Hitachi Printing Solutions, Ltd. moved from 810 Shimoimaizumi, Ebina-shi, Kanagawa, Japan  
on August 18, 2003

Registered on August 19, 2003

Docket No. O144657

\*The underlined items are crossed out.

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This is to certify that all the items that are registered and are not closed in the Commercial Register  
are indicated herein.

(Registration is under the jurisdiction of Tokyo Legal Affairs Bureau, Minato Branch Office)

January 13, 2005

Issued by Mito District Legal Affairs Bureau

Registrar Hideo MURAMATSU <SEAL>

Docket No. O144657

\*The underlined items are crossed out.

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## 履歴事項全部証明書

東京都港区港南二丁目15番1号

リコープリンティングシステムズ株式会社

会社法人等番号 0104-01-051321

商号	日立プリンティングソリューションズ株式会社	
	リコープリンティングシステムズ株式会社	平成16年10月1日変更
		平成16年10月1日登記
本店	東京都港区港南二丁目15番1号	
公告をする方法	官報に掲載してこれを行う	
会社成立の年月日	平成14年10月1日	
目的	<ol style="list-style-type: none"> <li>1. プリンタ及びその関連機器、その他の電子機械器具の開発、設計、製造及び販売</li> <li>2. コンピュータの周辺機器及び端末機器の開発、設計、製造及び販売</li> <li>3. 情報通信機器及び情報処理機器の開発、設計、製造及び販売</li> <li>4. 印刷システム機器の開発、設計、製造及び販売</li> <li>5. 前各号に掲げた製品の再生処理及び再生製品の販売</li> <li>6. 前各号に掲げた製品に関連する材料・部品等の開発、設計、製造及び販売</li> <li>7. 前各号に掲げた製品の製造装置・検査装置等の産業用電気機械器具の開発、設計、製造及び販売</li> <li>8. 前各号に掲げた製品に関連するソフトウェアの作成及び販売</li> <li>9. 前各号に掲げた製品の賃貸、修理、保守サービス及び据付工事</li> <li>10. 情報ネットワークシステムの構築、保守管理及び情報処理サービスに関する事業</li> <li>11. 印刷、文書作成管理、その他事務処理に関する事業</li> <li>12. インターネットを利用した通信販売及び各種情報の提供並びにこれらの情報システムの開発、設計、運用及び保守</li> <li>13. 前各号に関連するコンサルティング業務及びエンジニアリングの請負</li> <li>14. 電気工事、管工事、電気通信工事、機械器具設置工事、消防施設工事等の設備工事及び建築工事の設計、監理並びに請負</li> <li>15. 古物の売買</li> <li>16. 特許権、著作権、ノウハウ等の知的財産権の実施許諾及び使用許諾</li> <li>17. 労働者派遣事業</li> <li>18. 金銭の貸付、債権の買取、債務の保証</li> <li>19. ベンチャー企業、ベンチャーキャピタルへの投資</li> <li>20. 産業廃棄物収集、処理業及び産業廃棄物、一般廃棄物の再生処理業</li> <li>21. 倉庫業及び貨物運送取扱業</li> <li>22. 前各号に関連する一切の事業</li> </ol>	
発行する株式の総数	40万株	

整理番号 オ144657

\* 下線のあるものは抹消事項であることを示す。

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東京都港区港南二丁目15番1号  
 リコープリンティングシステムズ株式会社  
 会社法人等番号 0104-01-051321

発行済株式の総数 並びに種類及び数	発行済株式の総数 10万株	
資本の額	金50億円	
役員に関する事項	取締役 片山利昭	平成15年 6月23日重任
	取締役 片山利昭	平成16年 6月23日重任
		平成16年 6月28日登記
	取締役 辻保享	平成15年 6月23日重任
		平成16年 3月31日辞任
		平成16年 4月13日登記
	取締役 遠藤伸一	平成15年 6月23日重任
	取締役 遠藤伸一	平成16年 6月23日重任
		平成16年 6月28日登記
	取締役 百瀬次生	平成15年 6月23日重任
		平成16年 3月31日辞任
		平成16年 4月13日登記
	取締役 由木幾夫	平成15年 6月23日重任
	取締役 由木幾夫	平成16年 6月23日重任
		平成16年 6月28日登記
		平成16年 9月30日辞任
		平成16年10月 1日登記

整理番号 オ144657

\* 下線のあるものは抹消事項であることを示す。

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東京都港区港南二丁目15番1号

リコープリンティングシステムズ株式会社

会社法人等番号 0104-01-051321

	取締役 菊池 康夫	平成16年 4月 1日就任
		平成16年 4月13日登記
		平成16年 6月23日重任
		平成16年 6月28日登記
	取締役 尚 邦 男	平成16年 4月 1日就任
		平成16年 4月13日登記
		平成16年 6月23日重任
		平成16年 6月28日登記
	取締役 立花 和 弘	平成16年 4月 1日就任
		平成16年 4月13日登記
		平成16年 6月23日重任
		平成16年 6月28日登記
		平成16年 9月30日辞任
		平成16年10月 1日登記
	取締役 小 林 博	平成16年10月 1日就任
		平成16年10月 1日登記
	取締役 松 浦 芳 正	平成16年10月 1日就任
		平成16年10月 1日登記
	川崎市高津区二子三丁目6番8号ベル・エール 多摩川8 代表取締役 片 山 利 昭	平成15年 6月23日重任
		平成16年 6月23日重任
		平成16年 6月28日登記
	川崎市高津区二子三丁目6番8号ベル・エール 多摩川8 代表取締役 片 山 利 昭	平成16年 6月23日重任
		平成16年 6月28日登記
		平成16年 9月30日辞任
	監査役 矢 野 英 治	平成16年10月 1日登記

整理番号 才144657

\* 下線のあるものは抹消事項であることを示す。

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東京都港区港南二丁目15番1号  
 リコープリンティングシステムズ株式会社  
 会社法人等番号 0104-01-051321

	監査役	山田 邦光	平成15年 6月23日重任
	監査役	寺田 雅男	平成15年 6月23日重任
			平成16年 9月30日辞任
			平成16年10月 1日登記
	監査役	石原 雅之	平成16年10月 1日就任
			平成16年10月 1日登記
	監査役	山 中 行 彦	平成16年10月 1日就任
			平成16年10月 1日登記
債権譲渡	第2003-21003号債権譲渡		
	登記の年月日 平成15年9月29日		
	譲受人 英領西インド諸島、ケイマン諸島、グランド・ケイマン、ジョージ・タウン、 エドワード・ストリート、私書箱684GT、シーアイビーシー・バンク・ アンド・トラスト（ケイマン）リミテッド （日本における営業所等 東京都中央区日本橋室町二丁目4番3号） コンチエルト・レシーバブルズ・コーポレーション		
	平成15年 9月30日登記		
	第2003-21003号存続期間満了		
債権譲渡	平成15年12月 2日登記		
	第2003-21364号債権譲渡		
	登記の年月日 平成15年9月30日		
	譲受人 東京都港区西新橋二丁目15番12号 日立アセットファイディング有限公司		
	平成15年10月 1日登記		
債権譲渡	第2003-21364号存続期間満了		
	平成15年11月19日登記		
	第2003-29022号債権譲渡		
	登記の年月日 平成15年12月26日		

整理番号 オ144667

\* 下線のあるものは抹消事項であることを示す。

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東京都港区港南二丁目15番1号  
 リコープリンティングシステムズ株式会社  
 会社法人等番号 0104-01-051321

	譲受人 東京都港区西新橋二丁目15番12号 日立アセットファイディング有限会社	平成16年 1月 6日登記
	第2003-29022号存続期間満了	平成16年 2月18日登記
	第2004-7765号債権譲渡 登記の年月日 平成16年3月29日 譲受人 東京都港区西新橋二丁目15番12号 日立アセットファイディング有限会社	平成16年 3月30日登記
	第2004-7765号存続期間満了	平成16年 6月17日登記
	第2004-16173号債権譲渡 登記の年月日 平成16年6月30日 譲受人 東京都港区西新橋二丁目15番12号 日立アセットファイディング有限会社	平成16年 7月 1日登記
	第2004-16173号存続期間満了	平成16年 8月18日登記
	第2004-23932号債権譲渡 登記の年月日 平成16年9月29日 譲受人 東京都港区西新橋二丁目15番12号 日立アセットファイディング有限会社	平成16年 9月30日登記
	第2004-23932号存続期間満了	平成16年12月17日登記
	登記記録に関する事項	平成15年8月18日神奈川県海老名市下今泉810番地から本店移転 平成15年 8月19日登記

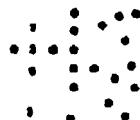
整理番号 オ144657

\* 下線のあるものは換算事項であることを示す。

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東京都港区港南二丁目15番1号  
リコープリンティングシステムズ株式会社  
会社法人等番号 0104-01-051321



これは登記簿に記録されている閉鎖されていない事項の全部であることを証明  
した書面である。

(東京法務局港出張所管轄)

平成17年 1月13日

水戸地方法務局

登記官

村 松 日 出 男



整理番号 オ144657

\* 下線のあるものは係属事項であることを示す。



US006993275B2

(12) **United States Patent**  
**Mitsuya et al.**

(10) **Patent No.:** **US 6,993,275 B2**  
(45) **Date of Patent:** **Jan. 31, 2006**

(54) **IMAGE POSITION DETECTING METHOD**

(75) Inventors: **Teruaki Mitsuya**, Hitachinaka (JP);  
**Hiroyuki Mabuchi**, Hitachinaka (JP);  
**Toru Miyasaka**, Tsuchiura (JP); **Mieko Ishii**, Tsuchiura (JP)

(73) Assignee: **Ricoh Printing Systems, Ltd.**, Tokyo (JP)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 69 days.

(21) Appl. No.: **10/796,208**

(22) Filed: **Mar. 10, 2004**

(65) **Prior Publication Data**

US 2004/0179870 A1 Sep. 16, 2004

(30) **Foreign Application Priority Data**

Mar. 11, 2003 (JP) ..... 2003-064526

(51) Int. Cl. **G03G 15/01** (2006.01)

(52) U.S. Cl. .... **399/301; 399/394; 347/116**

(58) Field of Classification Search .... **399/301, 399/394; 347/116**

See application file for complete search history.

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German Office Action dated May 31, 2005 with an English language translation.

\* cited by examiner

*Primary Examiner*—Christopher W. Fulton

*Assistant Examiner*—Tania Courson

(74) *Attorney, Agent, or Firm*—McGuireWoods LLP

(57) **ABSTRACT**

In an electrophotographic recording device, a multicolor toner image is formed by images in each color superimposed on one another. In order to detect image misalignment, image-forming units form a color registration detection pattern, and sensors detect the pattern and output detection signals. A control unit detects the position of the patterns based on only portions of the detection signals corresponding to leading edges of the patterns.

**17 Claims, 8 Drawing Sheets**

Hitachi, Ltd., Tokyo (JP)

